



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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सं० 7] नई दिल्ली, शनिवार, फरवरी 15, 1969 (माघ 26, 1890)  
No. 7] NEW DELHI, SATURDAY, FEBRUARY 15, 1969 (MAGHA 26, 1890)

इस भाग में विभिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
Separate paging is given to this Part in order that it may be filed as a separate compilation

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और सूचित

Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

#### Patents and Designs

Calcutta, the 15th February 1969

#### SPECIAL NOTICE

Attention of the public is invited to the Ministry of Industrial Development & Company Affairs S.O. 4122 dated 12-11-68 whereby the Central Government have amended the late Ministry of Commerce & Industry notification S.R.O. 681 dated 23-3-1955 and appointed The Scientist, Indian Institute of Petroleum, I.I.P.—P.O., Dehra Dun (U.P.) as one of the authorities for the purpose of Section 72 of the Indian Patents and Designs Act, 1911 (Act II of 1911).

#### CORRIGENDUM

In the Gazette of India, Part III, Section 2, dated the 23rd November 1968, in page 446, Column 2 under the heading "Application accepted".

for No. 110748,

read No. 110784,

#### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

25th January 1969

- 119539. Ciba Limited. Process for the manufacture of azo compounds with heterocyclic diazo components.
- 119540. Robert Krause Kg. Improvements in and relating to ring-mechanisms for loose-leaf binders and the like. (19th November 1968).
- 119541. Sandoz Ltd. Process for the production of compounds of the monoazo series.
- 119542. The Gillette Company. Razor blade.
- 119543. National Research Development Corporation. Improvements in or relating to the refining of steels. (2nd February 1968).

119544. Imperial Chemical Industries Limited. Resolution process. (14th February 1968).

119545. African Explosives and Chemical Industries Limited. Improvements in means for and method of gauging articles.

119546. Girling Limited. Dynamo electric machines. (2nd February 1968).

119547. Saharan Equipment Techniques. An improvement in or relating to clutch plate.

119548. R. N. Shah. Automatic water cooling device.

27th January 1969

119549. Sumitomo Chemical Company, Ltd. Method for stabilization of saligenin cyclic phosphorus esters.

119550. NGK Insulators, Ltd. Improvements in electric insulators.

119551. Metallgesellschaft A. G. Process of directly reducing materials containing iron oxide in a rotary kiln.

119552. VDO Tachometer Werke Adolf Schindling GMBH. Flexible shaft disposed within a protective tubing with a play.

119553. Imperial Chemical Industries Limited. Improvements in or relating to friction false twisting. (30th January 1968).

119554. Imperial Chemical Industries Limited. Ethylene polymerisation. (1st February 1968).

119555. J. R. Geigy A. G. Block-and-holder arrangement and holder pertaining thereto.

119556. Societe Chimique Des Charbonnages. A process for the production of nitrophosphate fertilisers.

119557. Aktiebolaget Astra. Process for the preparation of compounds effective for the protection of people and animals from ovipositing biting, and blood sucking insects, [Divisional date 13th June 1967].

119558. T. Lindsley. Recovery of mineral values.

119559. Societe D'Etudes De Produits Chimiques, New quinoline derivatives and their preparation.
119560. Ciba Limited. Process for the manufacture of new pyrimidine derivatives.
119561. Ciba Limited. Process for the manufacture of new thiophene derivatives.
119562. Stauffer Chemical Company. Acid acceptor for functional fluids.
119563. N. V. Philips Gloeilampenfabrieken, Apparatus having a television camera tube and television camera tube for use in such an apparatus.
119564. N. V. Philips Gloeilampenfabrieken. Time division multiplex transmission system for the transmission of signals by means of pulse code modulation.
119565. C. Kalaria. Hydra jet jute looms.
119566. Bengal Scientific & Technical Works (P.) Ltd. Non-pressure kerosene fired incandescent mantle lamp.
119567. Sun Shail Enterprises. Improvements in or relating to coasters.

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119568. Gopal Prasad Sharma. Improvements in or relating to mortise locks for doors and the like.
119569. Anaparti Surya Rao. Air convenienters (for dark rooms, cinetheatres).
119570. Formica Corporation. A decorative laminate surfaced with a compressed layer of a fibrillated acrylic fiber paper.
119571. Nauchno-Issledovatel'sky Proektno-Konstruktorsky Institut Tekhnologii Mashinostroenia. A program-controlled device for feeding the working tool along a curvilinear trajectory.
119572. Dr. B. B. Mehrotra. A composition.
119573. Bankim Chandra Chakravarti, Robin Chatterjee, Sadananda Chatterjee and Shyamalendu Paul. An impeller.
119574. Dorr-Oliver Incorporated. Centering devices for endless filter belt.
119575. Thomson—Csf. Phase-shifter. (31st January 1968).
119576. H. S. G. S. p. A. High efficiency, reversible or irreversible gear pairs with parallel axes suitable to realize great gear ratios, with small centre distance.
119577. The Babcock & Wilcox Company. Improvements in and relating to vapour generators.
119578. Joseph Lucas (Industries) Limited. Vehicle lamp adjusters. (2nd February 1968).
119579. Desma-Werke GMBH. Process for the manufacture of footwear from materials capable of being sprayed or injection-moulded.
119580. Bede Alfred Boyle and Laurice Winifred Boyle. Pump. (6th February 1968).
119581. Ciba Limited. New vat dyestuffs, processes for their manufacture and use.
119582. Rank Xerox Limited. Imaging system.
119583. Rank Xerox Limited. Imaging systems.
119584. Compagnie De Saint-Gobain. Improvements in or relating to vehicle windscreens.
119585. The British Petroleum Company Limited. Metal flakes. (7th February 1968).
119586. D. Ramachar, R. K. Viswanadham and S. T. Rao. Improvements in or relating to decuticling and degerming groundnuts.
119587. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Dietary supplements and processes.
119588. Ciba Limited. Process for the manufacture of new thiophene derivatives. [Divisional date 29th March 1968].
119589. Ciba Limited. Pigment preparations.
119590. Ciba Limited. Process for the manufacture of new thiophene derivatives. [Divisional date 13th September 1968].

119591. Trelleborgs Gummifabriks Aktiebolag. Ore concentrator.

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119592. Fertilizer Corporation of India Limited. A process for the winning of potassium and sulphate ions as potassium sulphate from saline deposits particularly mixed salt left over after the solar evaporation of waste bitters from common salt industry.
119593. Arbeitsstelle fur Molekularelektronik. Process for the production of impeding metallic semiconductor transistors by the manufacture of thin layer construction elements.
119594. Arbeitsstelle Fur Molekularelektronik. Measuring arrangement for automatic multiple-type photo duplicator of higher accuracy, especially for application in semiconductor technique and micro-electronic.
119595. Veb Chemiefaserwerk Schwarza "Wilhelm Pieck". Device for spinning of multicomponent threads and fibres. [Addition to No. 107368].
119596. Hind Cycles Ltd. Improvements in or relating to bicycles.
119597. Glaxo Laboratories Limited. Chemical compounds. (29th January 1968).
119598. Glaxo Laboratories Limited. Chemical compounds. (29th January 1968).
119599. Glaxo Laboratories Limited. Chemical compounds. (29th January 1968).
119600. United States Steel Corporation. Apparatus for locking together rail cars on vertically spaced tracks.
119601. E. R. Squibb & Sons, Inc. Process for the production of intermediates for triamcinolone and related compounds.
119602. Joseph Lucas (Industries) Limited. Dynamo electric machines. (2nd February 1968).
119603. Anglo American Corporation of South Africa Limited. Improved means for varying physical conditions of a gas.
119604. P. H. Kudianawala. A mechanical waste paper basket.
119605. P. H. Kudianawala. A toilet room fixture.
119606. Sandoz Ltd. Improvements in or relating to organic compounds. (31st January 1968).
119607. Sandoz Ltd. Improvements in or relating to organic compounds. (31st January 1968).
119608. M. F. Adaglio. Warning device for the level of liquid in cylinders for liquefied gas under pressure. [Addition to No. 113055].
119609. Honda Giken Kogyo Kabushiki Kaisha (Honda Motor Co., Ltd). Automatic transmission apparatus.
119610. V. K. Bhatt. Improvements in or relating to the production of fibre laps in textile mills.

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119611. P. Chandra. Improvements relating to dust extraction units for carding machines.
119612. N. M. Rawal. Shuttleless loom.
119613. Borgs Fabriks Aktiebolag. Arresting device for vehicles, principally aeroplanes.
119614. The Dunlop Company Limited. Improvements in or relating to hose. (7th February 1968).
119615. National Lead Company. Treatment of hygroscopic metal chloride salts for removing oxygen containing contaminants.
119616. The General Tire & Rubber Company. Filament reinforced structural ply for a pneumatic tire.
119617. Elektrokemisk A/S. Method of recovering fluorine from carbonaceous waste material.
119618. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Arylsulphonyl ethyl phosphates and process for their manufacture.
119619. Ministerul Petrolului. Thermal insulating tubing.

119620. Combinatul Chimic Borzesti. Process for the preparation of dichloro-diphenyl trichloroethane with high solidification point and increased content of active isomer.
119621. Gosudarstvenny Proektiny Institut "Tyazhpromelektroproekt". Device for transmitting information on at least two objects being processed.
119622. Ciba Limited. Cycloaliphatic acids, process for their manufacture and pharmaceutical preparations containing them.
119623. Takeda Chemical Industries, Ltd. Alkali protease.
119624. Rank Xerox Limited. Imaging system.
119625. Rank Xerox Limited. Xerographic system.
119626. Rank Xerox Limited. Magnetic cascade development apparatus.
119627. Council of Scientific and Industrial Research. Vibration sensitive switch.
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119628. R. L. Sheth. Improved picnic kit.
119629. Gouri Sankar Bhattacharyya. Improvement in or relating to flushing cisterns for commodes, water closets or like appliances.
119630. Orissa Cement Limited. Improved fuel composition.
119631. Veb Filmfabrik Wolfen. Colour photographic material giving improved colour reproduction. (10th June 1968).
119632. Ciba Limited. Tertiary aminoacids, process for their preparation and pharmaceutical compositions containing them.
119633. Ciba Limited. Process for the manufacture of azetidinothiazolidine compounds.
119634. Tsentralny Nauchno-Issledovatel'skiy Institut Tekhnologii Mashinostroenia. Method of making liquid, self-hardening mixture, preferably for manufacturing foundry cores and moulds therefrom.
119635. Fmc Corporation. Process for simultaneously producing powdered iron and active carbon.
119636. Toyo Rayon Co. Ltd., and Howa machinery Ltd. Fiber supply method and its device of a spinning system utilizing air flow and centrifugal force.
119637. Joseph Lucas (Industries) Limited. Dynamo Electric machines. (9th February 1968).
119638. Rodi & Wienenberger Aktiengesellschaft. Expanding jointed band.

#### Alteration of Date

109906. Post-dated to 25th January 1968 under Section 5 of the Act.
119344. Ante-dated to 26th April 1967 under Section 5 of the Act.
111573. The claim to priority date 19th July 1966 has been abandoned and the application dated as of 18th July 1967, the date of filing in India.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the GAZETTE OF INDIA give notice to the Patents Office in the prescribed form No. 6 of the Indian Patents and Design Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8 Hastings Street, Calcutta, in the due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawing, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under section 78-A of the Act.

88217. The Boeing Company. Method of separating an admixture of physiological cellular structures. Accepted on 20th March 1965.

*Acidifying the liquid medium to cause the group of similar physiological structure to float on the surface passing a gaseous material through the liquid medium to cause a foam and finally separating the foam.*

92305. Union Tank Car Company. Composition and process for removing impurities from liquid. Accepted on 25th January 1969.

*Comprises passing the liquid through a bed comprising a mixture of anion and cation exchange resin particles, resin particles being in the size range of about 60 to 400 mesh.*

93025. Pittsburgh Activated Carbon Company. Purifying sugar solutions. Accepted on 10th March 1966.

*The sugar solution is passed, in countercurrent flow only, through a vertical bed of unexpanded, mechanically confined, packed granular adsorbent.*

98502. Unilever Limited. Process and apparatus for improving fats. (20th March 1964). Accepted on 25th January 1969.

*Comprises treating the oil in liquid condition with an aqueous liquid treating agent under conditions providing numerous interfaces between the two liquids and contaminants are extracted by the aqueous liquid at the said interfaces and removed in solution.*

99221. Corn Products Company. Process for obtaining dextrose crystals. Accepted on 25th January 1969.

*Comprises forming a thin layer of liquor supersaturated with dextrose on agglomerates of dextrose crystals and contacting the same with discrete dextrose particles, the temperature of the agglomerates being maintained within 15° to 45°C.*

103325. Industrial Holding Establishment. Non gyrating projectile fuse. Accepted on 27th January 1969.

*Comprising trajectory safety means including a spring actuated rocker arm to control the arming of the fuse, and locking means to prevent the operation of the rocker arm before firing and the movement of the hammer bolt, the locking means being constituted by a single element mounted to slide axially in the fuse.*

103326. Industrial Holding Establishment. Non gyrating projectile fuse. Accepted on 27th January 1969.

*Non gyrating projectile fuse where the first locking means are formed by a rod movable axially in the body of the fuse and accessible of the same time as the hammer bolt.*

109906. Council of Scientific and Industrial Research. Improvements in or relating to video amplifiers. Accepted on 28th January 1969.

*Characterised in that at the junction of the aforesaid inductances is connected additional inductances (C<sub>1</sub>) which is suitably damped by a resistance, the other end of which is connected to the out put circuit.*

110326. P. Lal and N. Uddin. Improvements in or relating to single lever water tap for delivering water at different temperatures and volumes. Accepted on 24th January 1969.

*Lever arrangement for providing part rotational movement to a ball accommodated in a housing formed at upper part of the tap, the said ball controlling a valve by its part rotational movement by the said lever to open or block the water passage to regulate water flow at different temperatures.*

110345. *Beteiligungs-Und Patentverwaltungsgesellschaft Mit Beschränkter Haftung*. In a method of separating lighter material from a heavier material, the step of regulating the discharge from a jig and an apparatus therefor. (27th February 1967). Accepted on 24th January 1969.

*Comprises a disc 2 with an excision 9 in the form annular ring provided on a shaft actuating valves through cams and a radition source.*

110347. D. Bini. Apparatus for erecting edifices. [Addition to No. 106551]. Accepted on 24th January 1969.

*Comprises at least elastically extendable means forming at least part of the shaping element, pressurised air immision means capable of feeding the closed surface member with air up to a point in which both the load of the cementitious material superimposed on said member and the own elastic stresses are exceeded.*

110399. D. Weston. Flotation of metallic oxides (iii). Accepted on 27th January 1969.

*Comprising treating a pulp of an ore wherein the mineral values have been differentially activated with a flotation reagent in a final stage of conditioning at a pH within the optimum range of pH's for the flotation of the mineral values, conditioning the pulp for a predetermined period of time and subjecting the conditioned pulp to flotation.*

110405. Stamicarbon N. V. Process and apparatus for the preparation of moulded polyamide articles. Accepted on 25th January 1969.

*Characterised in that the mixture in the mixing device is reduced in temperature in the feeding device by cooling the feeding device to a temperature between the temperature of the mixture in the mixing device and the melting temperature of the monomer.*

110407. Standard Oil Company. Method and apparatus for the continuous preparation of an aqueous ammoniated phosphate composition. Accepted on 27th January 1969.

*Comprising, (a) establishing an unstriated, turbulent, aqueous stream in which the reaction between the ammonia and acid is effected, (b) introducing into the stream an ammoniating reactant containing ammonia, (c) subsequently introducing into the stream, downstream from the point of introduction of the ammoniating reactant, a phosphoric acid reactant containing the impurities and polyphosphate ions which sequester the impurities.*

110440. Council of Scientific and Industrial Research. Oxygen depolarised primary wet cells. Accepted on 29th January 1969.

*Cathode and anode disposed horizontally, the bottom surface only of cathode being in contact with electrolyte and anode arranged below the cathode and facing the same and immersed fully in the electrolyte.*

110486. The Regents of the University of California. An effective agent for controlling mosquito larvae and pupae. Accepted on 29th January 1969.

*Containing an amine or diamine having at least one aliphatic group containing 7 to 22 carbon atoms in admixture with a carrier, the active ingredient being present in an amount of 0.01 to 50% when water and organic solvents alone is used.*

110617. British Telecommunications Research Limited. A signalling arrangement for the transmission of data. (17th May 1966). Accepted on 29th January 1969.

*The plurality of stations are connected to a common line the ends of which joined to form a ring and each station has a comparator.*

110644. Dynamit Nobel Aktiengesellschaft. A fluidised bed reactor for conducting exothermic reaction. Accepted on 27th January 1969.

*Comprised two interconnected reaction chambers arranged one above the other, lower chamber being provided with a gas inlet and upper chamber provided with gas outlet, the cross-sectional area of the lower chamber being smaller than upper chamber.*

110862. Moskovsky ordena Lenina i ordena Trudovogo Krasnogo Znamenii Institut inshenerov zheleznodorozhnogo transporta. Device for connecting rolling-stock adjacent sections with common bogie. Accepted on 21st January 1969.

*Wherein a lug with a heel and a tongue respectively fixed on the cantilevers of the frames of the adjacent sections and linked through a pivot, the middle part of the pivot has projections enclosed by a spherical surface and two parallel side planes while wall of the hole of said tongue is provided with a spherical recess.*

110937. P. S. Rao. A novel internal combustion engine. Accepted on 30th January 1969.

*Comprising at least four chambers, being the first, second, third and fourth chambers, each of which comprising a winding passage, first endshaft being adapted to connect the winding passage of the first chamber, the second endshaft enabling the winding passage of the fourth chamber to establish communication with atmosphere, and means to initially rotate the endshaft.*

111192. Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid. A method for the production of yarn and a yarn obtained by applying the said method. Accepted on 21st January 1969.

*Includes the steps of wetting the roving speedily drawing it to sliver, false twisting and winding the sliver into a fibre packet and sizing it to form a yarn packet.*

111247. Council of Scientific and Industrial Research. Improvements in or relating photosensitive thin films of thallium selenide layers. Accepted on 28th January 1969.

*Comprises (i) immersing ground glass flates in a solution of a soluble salt of thallium to which has been added an aqueous solution of sodium selenosulphate, keeping the contents stirred (ii) bring the pH of the solution to around 12 by adding a concentrated solution of sodium hydroxide and (iii) repeating the steps (i) and (ii) to make a second deposit of thallium selenide on the first.*

111309. Kyowa Hakko Kogyo Kabushiki Kaisha. A process for preparing polished rice fortified with amino acids. Accepted on 28th January 1969.

*A mixture of amino acids and a calcium salt is applied to the rice.*

111382. Hermann Tillmann. A device for dispensing liquid or paste material. Accepted on 6th January 1969.

*Comprising a hollow rod filled with the agent to be dispensed, the rod having a rounded predominantly hemispherical tip with apertures, and a manually operable yielding base or base part.*

111401. Central Glass Co., Ltd. A method for purifying mother liquor recycled in an ammonium chloride-soda process. Accepted on 31st January 1969.

*Comprising the steps of (a) adding solid sodium chloride to a solution containing ammonia, ammonium chloride and carbonic acid, (b) introducing carbonic acid gas and (c) introducing ammonia to the solution to form a solution which is recycled to step (a) of the process.*

111508. Dorr-Oliver Incorporated. Improvements in sedimentation apparatus. Accepted on 14th January 1969.

*Drive head of the sedimentation tank comprises a stationary primary annular trough structure, a rotating annular bearing member, an antifriction thrust bearing means, radial antifriction guide bearing means, a secondary trough structure, a bull gear and a pinion drive unit.*

111568. N. V. Philips Gloeilampenfabrieken. Method of manufacturing a semiconductor device including a semiconductor material of the Al<sub>0.5</sub>Bi<sub>0.5</sub> type, and semiconductor device manufactured by this method. Accepted on 18th January 1969.

*Comprising the steps, that the semiconductor material, zinc or cadmium is vapour deposited on the surface of the substrate which is maintained at a temperature such that the formation of a continuous layer or visible deposition of the relevant material is prevented on at least one insulating part of the surface of the substrate.*

111573. Toyo Rayon Co., Ltd., Multifilament yarn having sufficient cohesive property for weaving or knitting operation. Accepted on 18th January 1969.

*Characterised by cohered condition of a plurality of individual filaments by applying an aqueous agent containing emulsion said cohered condition is expressed by the formula  $(X-20)(Y-20) > 0$ , when  $X > 20$  where X represents an initial cohesive property of multifilament yarn and Y represents durable cohesive property.*

111678. Subbaramayyar. An improved method for treating wood or timber. [Addition to No. 88643]. Accepted on 27th January 1969.

*Soaking the wood or timber in a uniform mixture containing rubber latex and a solution containing polyglycol and additional preservatives and insecticides for sufficient time.*

111738. Libbey-Owens-Ford Glass Company. Covering contour surface in apparatus for bending glass sheets. Accepted on 29th January 1969.

*Characterised by directly contacting a surface of sheet while at bending temperature with a porous mat of felted metal fibers contoured to define a shaping surface.*

111793. Sandoz Ltd. Disperse dyes of the azobenzene series, their production and application. Accepted on 25th January 1969.

*Which consists in diazotizing an amine and coupling the diazonium compound.*

111879. Veb Starkstrom-Anlagenbau Erfurt. Visual indicating device for electronic protective devices installations. (12th July 1967). Accepted on 30th January 1969.

*On the angular arrangement of spring armature there is a rotary action armature supported on a pivot bearing consisting of soft magnetic steel, U-shaped and provided with an indicator symbol.*

112029. M & T Chemicals Inc. Method of modifying hydrohalogen polymer surface to render it receptive to a desired metal plate. Accepted on 30th January 1969.

*Which comprises contacting the hydrohalogen polymer surface with an alkali metal alkoxide.*

112036. Council of Scientific and Industrial Research. Improved surface coating materials from cashewnut shell liquid. Accepted on 28th January 1969.

*Comprises either treating the cashewnut shell liquid (CNSL) with formaldehyde in alkaline medium followed by styrenation of CNSL followed by formaldehyde treatment in alkaline medium the resin obtained in thinned and pigmented as desired.*

112125. Council of Scientific and Industrial Research. Improvements in or relating to chemical preparation of silver selenide powder. Accepted on 25th January 1969.

*Reacting in aqueous solution, sodium selenosulphate and a soluble silversalt like silver nitrate, the required silver selenide gets precipitated at temperature of 30–35°C.*

112152. Ebara-Infilco Kabushiki Kaisha. Method of dissolving crystals. Accepted on 28th January 1969.

*Charging the crystals into a column to form a supply layer a washing layer and a dissolving layer and introducing a solvent at the boundary between the washing layer and the dissolving layer and splitting the same into two paths.*

112193. S. K. Palhan and R. C. Palhan. A composition for brazing pieces of ferrous metals or ferrous alloys. Accepted on 27th January 1969.

*Comprising fused borax 40 to 50%, Ferro-silicone 28 to 75%, copper 15 to 60% and Ferric oxide 2.5 to 15%.*

112194. R. C. Palhan, and S. K. Palhan. A composition for brazing pieces of ferrous metals or ferrous alloys. Accepted on 27th January 1969.

*Comprising copper 30 to 60%, Ferro-silicone 15 to 35%, Ferro-Manganese 15 to 35%, Fused Borex 5 to 15%, and Antimony 0 to 5%.*

112221. Joseph Lucas (Industries) Limited. Warning lamp circuits for use in battery charging systems. (9th September 1966). Accepted on 29th January 1969.

*Comprising means operable in use to illuminate a warning lamp until a generator in the battery charging system produces an out put, and means for illuminating the same warning lamp whenever the out put voltage of the generator is above a predetermined value.*

112777. Council of Scientific and Industrial Research. Process for the recovery of potassium salts from molasses distillery spent wash liquor using ion-exchange technique. Accepted on 25th January 1969.

*Consists in (i) exhausting the hydrogen form or sodium form of a cation exchanger with pretreated or untreated molasses distillery spent wash liquor, (ii) eluting the exhausted resin bed with hydrochloric or sulphuric acid, (iii) evaporating the concentrated eluate fraction.*

113063. Council of Scientific and Industrial Research. Improvements relating in or to resolution of sucker rod wax. Accepted on 31st January 1969.

*Treating raw material solution in polar solvent with fuller's earth, recovering and extracting treated wax with polar solvents.*

113146. Pilkington Brothers Limited. Improvements in or relating to the manufacture of glass. (21st November 1966). Accepted on 28th January 1969.

*Including means for supplying a hot gas flow into a headspace defined by a roof structure which includes a porous wall of refractory material backed by a plenum chamber, and means for supplying cooling gas to the plenum chamber.*

113181. Precision Valve Corporation. Pressurized aerosol dispensing device. Accepted on 24th January 1969.

*Propellant container being mounted with an interference fit in an outer container wherein at least one of the contacting surfaces that form the interference fit there is provided an air vent passage or passages which being sealed during the insertion.*

113292. National Distillers and Chemical Corporation. Process for the production of modified olefin polymers and polymers obtained thereby. Accepted on 27th January 1969.

*Which comprises reacting the olefinic polymer with an alkali metal hydrocarbide.*

113875. E. I. du Pont de Nemours and Company. A yarn comprising a plurality of continuous oriented polycarbonamide filaments. Accepted on 28th January 1969.

*Comprising a plurality of continuous oriented polycarbonamide filaments including high and low shrinkage filaments.*

113343. United Nations. Improvements relating to electric meters with particular reference to the brake magnets positioning system. Accepted on 29th January 1969.

- Comprising magnet housing, instrument body adjusting screw, magnets.*
113493. F. L. Smidth & Co., A/S. Process for the production of ultrafine cement and apparatus therefor. (8th December 1966). Accepted on 25th January 1969.
- Portland cement is cooled and subsequently ground in a mill by grinding bodies so small that their average weight is no more than 6 grams.*
113791. The Dow Chemical Company. Process for the preparation of vinyl monomers by the catalytic dehydrogenation of hydrocarbons. [Addition to No. 107308]. Accepted on 30th January 1969.
- Characterizes by using a self regenerative metal oxide catalyst containing at least 50 weight percent of chromium oxide or a mixture consisting of chromium oxide, iron oxide or zinc oxide and at least one oxide from the group chromium oxide, iron oxide, zinc oxide and magnesium oxide.*
113831. Imperial Chemical Industries Limited. Cross-linkable polymeric compositions and wires or cables in which the insulation comprises the cross-linked compositions. (2nd January 1967). [Addition to No. 106111]. Accepted on 31st January 1969.
- Comprising a co-polymer containing active hydrogen atoms and a polyisocyanate generator which comprises at least one uretdlone oligomer of an aromatic diisocyanate.*
113856. J. A. Taraporevala. Slotted pipes and a method for their manufacture. Accepted on 25th January 1969.
- Characterised in that the two ends of the slots are welded to two end rings, temporary packing pieces being introduced between the slots before welding.*
114690. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of copolymers from ethylene and higher  $\alpha$ -olefins in suspension. Accepted on 30th January 1969.
- Comprises carrying out the copolymerization in the presence of .001 to 10% by weight calculated on the dispersion medium of a finely divided inert, solid organic polymer as separating agent for the resulting copolymer particles.*
114696. E. B. Lopker. Method of increasing the capacity of horizontal rotary vacuum filters. Accepted on 31st January 1969.
- Comprising carrying out a plurality of complete filtration cycles during each revolution of the filter area including feeding a slurry to be filtered to the filter area at N-number of points in the path of the filter, vacuum filtering the slurry to produce filter cake, and removing the filter cake remaining after filtration at N-number of points in the path of filter.*
114710. Imperial Chemical Industries Limited. Manufacture of chlorine and caustic alkali in diaphragm cells. (16th March 1967). Accepted on 31st January 1969.
- Characterized by altering gas pressure on anode and cathode compartment each time the current density across the diaphragm is changed so that rate of electrolyte flow is proportional to current density.*
115052. Polysius GmbH. Method for grinding and drying wet material. Accepted on 25th January 1969.
- Grinding and drying wet material in a tube mill keeping a charge ratio of 2:1 to 5:1 between material and grinding element in the preliminary grinding chamber which is also used for drying.*
115095. Klockner-Humboldt-Deutz AG. Device for storing thermoplastic, bituminous binding agents. (12th January 1968). Accepted on 28th January 1969.
- Characterised by a container provided at the bottom with a heating device and to the lowest point of which there is connected a pipeline with a pump.*
115477. Institute Elektrosvarki Imeni E.O. Patona. A method of electroslag remelting of metal and plant for effecting same. Accepted on 25th January 1969.
- Electroslag remelting of metal from consumable electrodes in a crucible wherein molten slag is poured into the lower portion of the crucible until it is brought in contact with electrodes.*
115526. D. M. Dhruv and U. D. Dhruv. A hygienic liquid medicine dispenser. Accepted on 21st January 1969.
- Including a hollow bulb of elastic material with an externally threaded neck and an elongated nozzle with a cylindrical base internally threaded and further having a flange at or about the upper end of the base, and a light fitting tubular cap.*
115673. N. V. Philips Gloeilampenfabrieken. Semiconductor device provided with an insulating layer for example of silicon oxide supporting a layer of aluminium. Accepted on 30th January 1969.
- An aluminium layer supported by an insulating layer provided on the semiconductor body, is covered at least in part with a titanium layer and a second aluminium layer.*
116170. Industrial Links (Private) Ltd. A collapsible almirah system. Accepted on 25th January 1969.
- Comprising a back having a top, a bottom and two side panels, sides swingably secured, a top swingably secured to the top panel a bottom swingably secured to the bottom panel.*
116248. North American Rockwell Corporation. Recirculating ball slip joint assembly. Accepted on 21st January 1969.
- The mention relates to a shaft assembly including inner and outer co-axial telescopic shaft elements, where improved means, are provided for interconnecting said shaft elements for permitting axial adjustments and torque transmission therebetween.*
116309. Rhone-poulenc S. A. Process for the preparation of polyesters of terephthalic acid. Accepted on 24th January 1969.
- Terephthalic acid is esterified with ethylene glycol in the presence of triethanolamine.*
117171. R. B. Golobart. Method for producing woven fabrics with stationary weft tapes. Accepted on 31st January 1969.
- Including looms with atleast one rotating shaft with speed regulator, reciprocatory beating means and weft inserting means for carrying weft strands through the warp strands between cycles of the beating means, the combination including a pair of driving rollers, means for operatively connecting driving rollers with rotating shaft and speed regulator means for varying rate of rotation of driving rollers.*
117191. Pilkington Brothers Limited. Improvements in or relating to high temperature mortars. (11th August 1967). Accepted on 30th January 1969.
- Includes pulverised, ground or crushed cristobalite or tridymite or a mixture of cristobalite and tridymite having particle size distribution suitable for joining and travelling.*
119344. Standard Oil Company. Method and apparatus for the continuous preparation of an aqueous ammoniated phosphate composition. [Divisional date 26th April 1967]. Accepted on 27th January 1969.
- Comprising (a) continuously passing through an endless path preformed ammonium phosphate composition, thereby establishing a cyclic stream, (b) continuously adding to the streams at different points predetermined amounts of aqueous ammonia and superphosphoric acid and creating a turbulence in the stream, (c) withdrawing downstream from the points of addition, a portion of aqueous ammonium phosphate composition.*

**Opposition Proceedings**

(1)

The opposition entered by Kashinath Babaji Tarkar, Dayanand Babaji Tarkar and Bulkrishna Kashinath Tarkar to the grant of a patent on Application No. 71093 made by Umakant Yeshwant Kalgutkar and notified in the Gazette of India Part III, Section 2 dated the 27th April, 1963 has been allowed with costs and it has been ordered not to seal a patent on the said application.

(2)

The opposition entered by Jagdis Prakash Mathur to the grant of a patent on application No. 80201, made by Ramrao Ganpatrao Chaudhury, as notified in Part III, Section 2 of the Gazette of India, dated the 14th March 1964, has been partly allowed. A patent is to be sealed on the application subject to amendment of the specification.

(3)

An opposition has been entered by Johnson & Johnson to the grant of a patent on application No. 112007, made by The Metal Box Company of India Ltd.

**Printed Specifications Published**

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

83010, 83316, 86622, 86744, 87786, 88931, 89690, 94905, 91061, 99148.

**Patents Sealed**

97151, 97786, 102501, 103566, 104173, 104934, 105222, 105288, 105354, 105736, 106282, 106418, 106707, 106982, 107069, 107165, 107245, 107439, 107440, 107503, 107786, 107811, 107909, 107952, 108371, 108462, 108481, 108482, 108503, 108566, 108643, 108667, 108733, 109088, 109361, 109418, 109497, 109724, 110055, 110066, 110591, 110613, 110614, 110678, 111005, 111009, 111152, 111219, 111339, 111433, 111669, 111715, 111800, 112094, 112243, 112327, 112415, 112467, 112906, 112944, 112976, 113074, 113294, 113716, 114136.

**Renewal Fees Paid**

51211, 51216, 51373, 51433, 51532, 51607, 51656, 53247, 53594, 53697, 53713, 53724, 53757, 53758, 53786, 53815, 54121, 54152, 54332, 54333, 54632, 56388, 56429, 56467, 56469, 56487, 56503, 56575, 56586, 56627, 56628, 56693, 56694, 57005, 59284, 59575, 59628, 59632, 59667, 59686, 59698, 59701, 59711, 59742, 59767, 59773, 59775, 60312, 62669, 63015, 63042, 63043, 63046, 63064, 63095, 63117, 63120, 63122, 63123, 63142, 63179, 63183, 63209, 63223, 63264, 63265, 63295, 63319, 63462, 63625, 63772, 65222, 65608, 66618, 66685, 66712, 66721, 66739, 66751, 66755, 66818, 66830, 66895, 66896, 66897, 66935, 67093, 67126, 67154, 67251, 67312, 67410, 67694, 67826, 69226, 70047, 70536, 70547, 70548, 70563, 70581, 70610, 70629, 70659, 70660, 70666, 70684, 70696, 70725, 70735, 70786, 70802, 70808, 70812, 70838, 70849, 70856, 70867, 70905, 70928, 70998, 71046, 71110, 71132, 71243, 71300, 72048, 72142, 72250, 72520, 72625, 72970, 73505, 74068, 74077, 74491, 75086, 75140, 75192, 75224, 75234, 75249, 75251, 75260, 75298, 75300, 75327, 75331, 75336, 75352, 75357, 75359, 75364, 75366, 75377, 75413, 75425, 75437, 75451, 75458, 75459, 75473, 75477, 75496, 75501, 75542, 75543, 75564, 75565, 75566, 75636, 75653, 75669, 75710, 75711, 75722, 75726, 75727, 75786, 75822, 75837, 75899, 75913, 75956, 77040, 77275, 77314, 80236, 80411, 80506, 80541, 80585, 80626, 80627, 80651, 80663, 80710, 80714, 80725, 80774, 80788, 80793, 80816, 80820, 80833, 80837, 80838, 80839, 80860, 80868, 80870, 80871, 80872, 80901, 80941, 81001, 81002, 81013, 81098, 81221, 81222, 81423, 81430, 81463, 82098, 82258, 82337, 82361, 83109, 83126, 83228, 84056.

84101, 85258, 86046, 86275, 86276, 86295, 86302, 86308, 86323, 86345, 86360, 86364, 86399, 86409, 86437, 86441, 86444, 86445, 86467, 86471, 86516, 86517, 86518, 86519, 86524, 86527, 86552, 86557, 86558, 86561, 86565, 86622, 86650, 86701, 86711, 86791, 86863, 87015, 87087, 87128, 87129, 87166, 87227, 87618, 87658, 88126, 88251, 88526, 89551, 90725, 90726, 90727, 91622, 91715, 91917, 91951, 91992, 92039, 92070, 92082, 92106, 92117, 92118, 92129, 92150, 92156, 92178, 92201, 92208, 92214, 92215, 92222, 92244, 92259, 92260, 92266, 92295, 92315, 92316, 92363, 92386, 92415, 92427, 92435, 92461, 92475, 92558, 92582, 92596, 92601, 92609, 92614, 92620, 92677, 92739, 92740, 92741, 92768, 92788, 92878, 92946, 93001, 93209, 93210, 93211, 93212, 93371, 93382, 93981, 94190, 95218, 95339, 97196, 97579, 97605, 97608, 97610, 97701, 97722, 97724, 97733, 97744, 97766, 97767, 97768, 97769, 97774, 97775, 97789, 97811, 97823, 97824, 97826, 97830, 97843, 97849, 97874, 97878, 97881, 97883, 97895, 97907, 97914, 97915, 97916, 97926, 97932, 97934, 97938, 97961, 97962, 97964, 97965, 97967, 97983, 97984, 97989, 97990, 98027, 98028, 98036, 98085, 98086, 98087, 98156, 98180, 98197, 98246, 98278, 98319, 98320, 98343, 98405, 98446, 98463, 98514, 98579, 98742, 99018, 99022, 99056, 99236, 99303, 99429, 99430, 99431, 99562, 99571, 99826, 99912, 100082, 100305, 101021, 102195, 102211, 103360, 103503, 103527, 103546, 103584, 103704, 103727, 103832, 104049, 104159, 104160, 105665.

**Cessation of Patents**

62036, 63785.

**Restoration Proceedings**

(1)

An order has been made on the 13th January 1969 restoring the patent No. 71138 dated as of the 21st March 1960, granted to Tirumangalakudy Ramachandra Sundararaman for "a process for the manufacture of strontium salts such strontium carbonate and nitrate from naturally occurring sulphate or "celestite".

(2)

An order has been made on the 14th January 1969, restoring the patent No. 86501 dated as of the 15th February 1963, granted to Umesh Chandra Sharada-Chandra Pandey for "improvements in or relating to devices for use as an accessory in electric alarms, bed warmers or like electrical appliances".

**Registration of Designs**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 1. No. 134391. Chillarige Sivajee Rao, Hanumanulapet, Vijayawada 3, Andhra Pradesh, India, and an Indian, "Steam cookers", August 21, 1968.

Class 1. No. 134394. Chillarige Sivajee Rao, Hanumanulapet, Vijayawada 3, Andhra Pradesh, India, and an Indian, "Tiffin carrier vessels", August 21, 1968.

Class 1. No. 134459. Indian Trading Corporation, Gambhirpura, Aligarh, Uttar Pradesh, India, (Indian Partnership Concern), "Padlock", August 26, 1968.

Class 1. No. 134474. M/s. Sunlight Glass Works, 142, Huzaria Street, Bombay No. 8 (Maharashtra State), an Indian Partnership concern, "Metal frames", August 30, 1968.

Class 1. No. 134476. Villas Shankarrao Satardekar, Indian National, 1237-G/1, A-Ward, Shivaji Peth, Kolhapur, Maharashtra, India, "A mechanical contrivance for shaping and cutting eatable articles", August 31, 1968.

- Class 3. No. 134359. Aurobrite (India) Private Ltd., 408, Himalaya House, Palton Road, Bombay-1, Maharashtra State, India, an Indian Company, "A bangle", August 8, 1968.
- Class 3. No. 134477. Sadhan Kumar Niyogi, Indian National, C/o Havol Industries, 24, Priyanath Mullick Road, Calcutta-25, West Bengal, India, "Hanging clips", August 31, 1968.
- Class 4. No. 134681. Colin's Drink, an Indian Proprietary Concern, 29B, Nimu Goswami Lane, Calcutta-5, West Bengal, India, "Bottles", October 22, 1968.
- Class 5. No. 134568. Messrs. Printers Corporation, 413-F, Vasant Wadi, Kalbadevi Road, Bombay-2 (Maharashtra State)—A registered partnership firm, "Playing cards", September 20, 1968.
- Class 9. Nos. 133823 to 133834. Hindustan Embroidery Mills Private Limited Chheharta (Amritsar), Punjab, India, (A private Limited Company incorporated under the Indian Companies Act), Nationality—Indian Firm, "Textile lace goods", May 22, 1968.
- Class 9. No. 134898. Sovrin Knit Works, Fategarh Road, Amritsar (Punjab), a registered firm of Indian Nationality, "Lace textile goods", December 3, 1968.
- Class 9. Nos. 134899 to 134901. Sovrin Knit Works, Fategarh Road, Amritsar (Punjab), a registered firm of Indian Nationality, "Lace textile goods", December 6, 1968.
- Class 9. No. 134930. Sovrin Knit Works, Fategarh Road, Amritsar (Punjab), a registered firm of Indian Nationality, "Lace Textile Goods", December 10, 1968.

Class 13. Nos. 134904 to 134906. The Crown Spg. & Mfg. Co., Ltd., Sir Vithaldas Chambers, 16, Apollo Street, Fort, Bombay-1, Maharashtra, Nationality—Indian Company, "Textile goods", December 7, 1968.

Class 13. Nos. 134907 to 134917. Shree Ram Mills Ltd., Fergusson Road, Lower Parel, Bombay-13, Maharashtra, Nationality—Indian Company, "Textile goods", December 7, 1968.

Class 13. Nos. 134990 to 134999. The Crown Spg. & Mfg. Co., Ltd., Sir Vithaldas Chambers, 16, Apollo Street, Fort, Bombay-1, Maharashtra, Nationality—Indian Company, "Textile goods", December 21, 1968.

Class 13. Nos. 134989, and 135000 to 135005. Shree Ram Mills Ltd., Fergusson Road, Lower Parel, Bombay-13, Maharashtra, Nationality—Indian Company, "Textile goods", December 21, 1968.

**Copyright Extended for a Second period of Five Years**

Design Nos. 118600, 118601, 122994, 118744 and 119797 Class—1.

Design Nos. 119602 and 119796 Class—3.

Design Nos. 120786, 120787, 121800, 122131 and 122295 Class—13.

**Copyright Extended for a Third period of Five Years**

Design Nos. 92033, 96982, 96983, 96984, 96985, 96986 and 96987 Class—1.

Design Nos. 97900, 97901, 99950 and 99951 Class—13.

S. VEDARAMAN,  
Controller General of Patents,  
Designs and Trade Marks.